

ABSTRACT

A gauge mounting device (20) for an improved means of mounting a gauge (17) to an instrument panel (19) including an annular gauge bracket assembly comprised of a gauge bracket having an inner tapering thread profile forming a helical pitch, a gripper ring disposed within said inner tapering thread profile having a plurality of gripping teeth radially aligned on an inner surface of said gripper ring and freely moveable along said inner tapering thread profile. Said gauge bracket engaged onto a conical or cylindrical gauge housing having a gauge disposed therein and preventing further rotation of said conical gauge housing forming a stationary helix. Said gauge bracket rotated causing forward movement by said helical pitch traveling along said stationary helix from said gripper ring resulting in increasing gripping force applied to said conical or cylindrical gauge housing and increasing sandwiching force between said gauge bracket and said conical or cylindrical gauge housing.